

WHAT IS CLAIMED IS:

1. A device for deploying at least one tissue anchor, comprising:
a closure catheter having a proximal end and a distal end; and
at least one tissue anchor positioned in an anchor supporting portion of the closure catheter and configured to be released from the anchor supporting portion;
wherein the anchor supporting portion is moveable between an axial orientation and an inclined orientation, wherein the at least one tissue anchor is deployable from the anchor supporting portion when said portion is in its inclined orientation.
2. The device of Claim 1, wherein a plurality of tissue anchors are positioned in the anchor supporting portion of the closure catheter.
3. The device of Claim 1, wherein the anchor supporting portion comprises a plurality of anchor supports moveable between an axial orientation and an inclined orientation, each anchor support holding a tissue anchor.
4. The device of Claim 3, wherein the anchor supports comprise a plurality of tubes provided at the distal end of the closure catheter.
5. The device of Claim 4, further comprising a flexible tubular body proximal of the anchor supports.
6. The device of Claim 1, further comprising an actuator for moving the anchor supporting portion between the axial and inclined orientations.
7. The device of Claim 1, wherein the at least one tissue anchor is deployable from the anchor supporting portion in a generally proximal direction.
8. The device of Claim 1, wherein the at least one tissue anchor is deployable from the anchor supporting portion in a generally distal direction.